

Mike,

If you have any questions or problems with this application, please call me at 303-861-4366.

This is a Chevron farmout and they originally stated the location. That is why their name is on the location plat.

David Remond

THE STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL WELL ☐GAS WELL ☒OTHER ☐SINGLE ZONE ☐MULTIPLE ZONE ☐

## 2. NAME OF OPERATOR

Bow Valley Petroleum Inc.

## 3. ADDRESS OF OPERATOR

1700 Broadway, Suite 900, Denver, Colorado 80290

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

270' FEL &amp; 724' FSL (SE - SE)

At proposed prod. zone

270' FEL &amp; 724' FSL (SE - SE)

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15 miles South East of East Carbon City.

## 15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)

270'

to lease line

5550' to Unit line

## 16. NO. OF ACRES IN LEASE

80

## 17. NO. OF ACRES ASSIGNED TO THIS WELL

640

## 18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

N.A.

## 19. PROPOSED DEPTH

12,000'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR - 5830 (est.)

## 22. APPROX. DATE WORK WILL START\*

6-15-81

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	60#	40'	10 yds. - 6sk. Redi - mix.
17 1/4"	13 3/8"	54.5#	300'	400 sks. G. cmt. to surface.
12 1/4"	9 5/8"	40#	8500'	700 sks. G. Fill to 6500'.
8 3/4"	7" L	26# + 23#	12000 - 5000'	500 sks. G. Circ.liner.
6 1/8"	2 7/8" T	6.5#	10,800'	Prod. Tbg.

Drill 26" hole w/ rathole machine. Cement 20" conductor w/ redimix. Move in rotary rig. Drill 17 1/4" hole to + 300'. Run and cement 13 3/8" surface casing. Cement to circulate to surface. Install 3000 psi W.P. BOP equipment. Test hydril to 1500 psi and BOP to 3000 psi before drilling shoe. BOP will be operationally tested daily. Drill 12 1/4" hole to 8500' w/ possible DST's in the Dakota, 7,250 - 7,280, and Morrison, 7,570 - 7,600'. Run logs. Run and cement 9 5/8" casing. Install 5,000 psi BOP equipment. Test hydril to 1500 psi and BOP to 5000 psi before drilling shoe. BOP will be operationally tested daily. Drill 8 3/4" hole to 12000' w/ possible DST in the White Rim, 10,840 - 10,900'. Log and if productive, run and cement 7" liner. Perforate, treat and complete using 2 7/8" tubing. Place well on production immediately.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

D.A. Gomendi

TITLE

Division Engineer

DATE

4-6-81

(This space for Federal or State office use)

PERMIT NO.

43-015-30080

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION  
OF OIL, GAS, AND MINING

DATE: 5-29-81

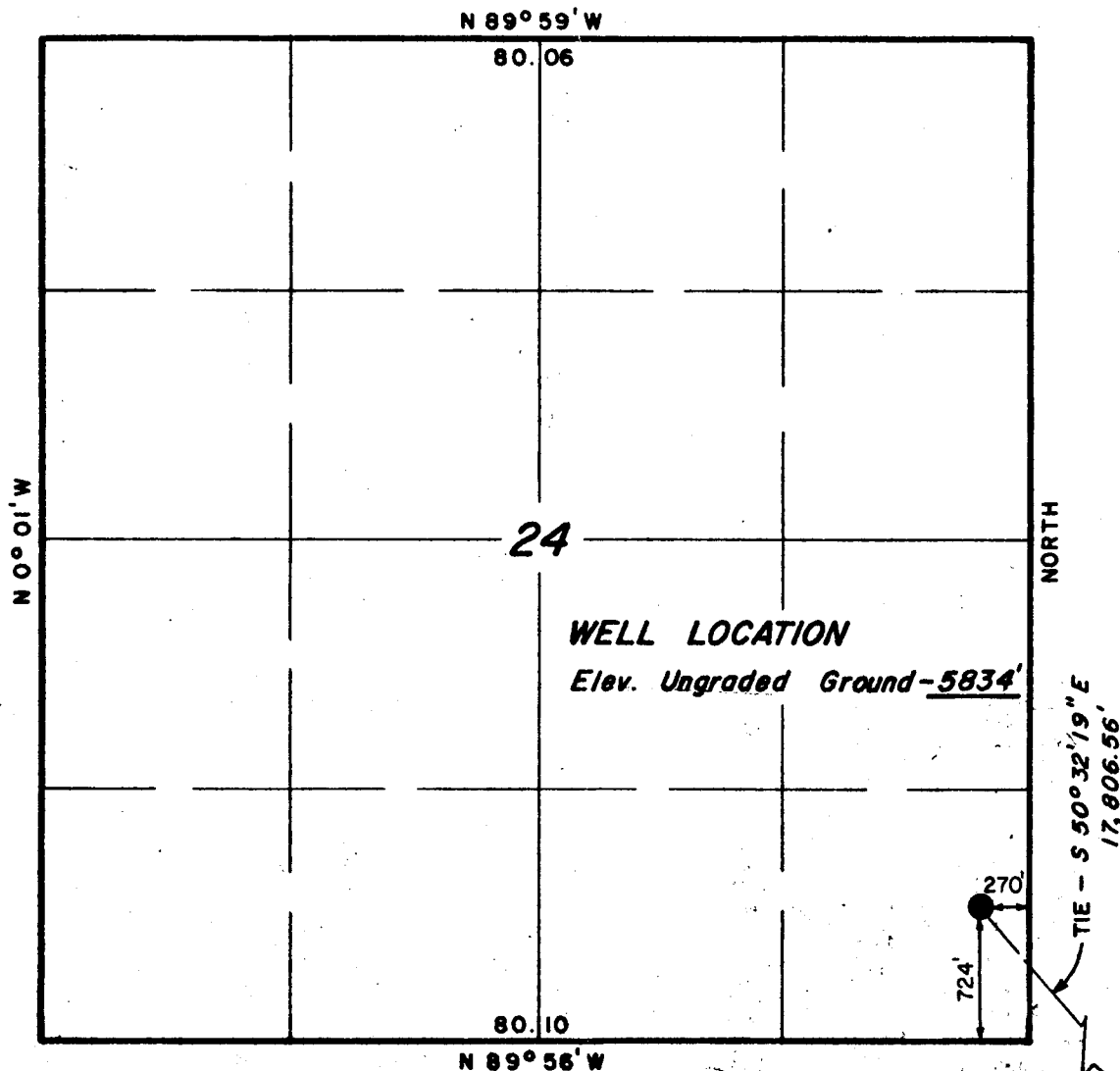
BY: M.S. Minder

\*See Instructions On Reverse Side

**T 16 S, R 15 E, S.L.B. & M.**

PROJECT  
**CHEVRON OIL COMPANY**

Well location, located as shown  
SE1/4 SE1/4 Section 24, T16S,  
R15E, S.L.B. & M. Emery County,  
Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Gene Stewart*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P.O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

NOTE: TO N1/4 COR. SEC. 4  
T17S, R16E, S.L.B. & M.

X = Section Corners Located

SCALE	1" = 1000'	DATE	9 / 18 / 80
PARTY	GS SH AC	REFERENCES	GLO Plat
WEATHER	Fair	FILE	CHEVRON OIL COMPANY

\*\* FILE NOTATIONS \*\*

DATE: May 4, 1981

OPERATOR: Bow Valley Petroleum Inc

WELL NO: Wilcox 1-24  
(Trail Canyon Unit)

Location: Sec. 24 T. 16S R. 15E County: EMERY

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-015-30080

CHECKED BY:

Petroleum Engineer: W.S. Mader 5-29-81  
Per call D. Gonsendi 5/4/81 will get USGS to confirm the Unit

Director: \_\_\_\_\_

Administrative Aide: In Trail Canyon Un. / OK on bndrys  
for gas well; all formations Unitized.

APPROVAL LETTER:

Bond Required: ☒

Survey Plat Required: ☐

Order No. \_\_\_\_\_

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage  
within a 660' radius of proposed site ☐

Lease Designation See

Plotted on Map ☐

Approval Letter Written ☒

Hot Line ☒

P.I. ☒

June 5, 1981

Bow Valley Petroleum Inc.  
1700 Broadway, Suite 900  
Denver, Colorado 80290

RE: WELL NO. WILCOX 1-24  
Sec. 24, T. 16S, R. 15E, SE SE  
Emery County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

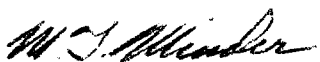
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-015-30080.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder  
Petroleum Engineer

MTM/ko  
cc:

DIVISION OF OIL, GAS AND MINING

SPLUDDING INFORMATION

NAME OF COMPANY: Bow Valley

WELL NAME: Wilcox 1-24

SECTION SE SE 24 TOWNSHIP 16S RANGE 15E COUNTY Emery

DRILLING CONTRACTOR Chase

RIG # 4

SPLUDDED: DATE 7-21-81

TIME 6:45 a.m.

HOW rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY James Hook

TELEPHONE # 722-5166

DATE 8-5-81 SIGNED DB

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Not Applicable

7. UNIT AGREEMENT NAME

Trail Canyon

8. FARM OR LEASE NAME

Wilcox

9. WELL NO.

#1-24

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

24-T16S-R15E, SLB&amp;M

12. COUNTY OR PARISH 13. STATE

Emery

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
2. NAME OF OPERATOR Bow Valley Petroleum, Inc.	
3. ADDRESS OF OPERATOR 1700 Broadway, Suite 900 Denver, Colorado 80290	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  270' FEL & 724' FSL SE/SE	
14. PERMIT NO. N.A.	15. ELEVATIONS (Show whether dg, rt, gr, etc.) 5830 GR

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Temporary Abandonment

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

10-24-81 Drilled 8 3/4" hole to T.D. of 12706'. Ran Dual Induction Laterolog, Formation Density-Compensated Neutron Log, Bottom hole Compensated Sonic log and Velocity Survey.

10-25-81 Circulate and condition hole.

10-26-81 Spot Plug No. 1, 60 sacks cement, 11,000-10,850'.

10-27-81 Spot Plug No. 2, 75 sacks cement, 10,350-10,200'.

Spot Plug No. 3, 85 sacks cement, 8,669-8,500'.

Bottom of 9 5/8" intermediate casing @ 8,597'.

NOTE: 9.1ppg mud in hole while cementing. Left hole full of 9.1ppg mud.

10-28-81 Nipple up and pressure test production tree. Rig down and move out rotary tools.

The well will be left temporarily abandoned until the late spring or early summer of 1982, at which time a completion will be attempted. Due to road conditions and winter refuge for wildlife, no completion will be attempted this winter. Operations will be effectively suspended as of November 6, 1981.

The well will be evaluated and a proposal for a completion in the Mancos will be made in the near future.

18. I hereby certify that the foregoing is true and correct

SIGNED

David A. Gomendi

TITLE

Division Engineer

DATE 11-5-81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 22, 1981

Bow Valley Petroleum  
1700 Broadway, Suite 900  
Denver, Colorado 80290

Re: See attached sheet

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist

Well No. Chevron Wainoco etal #1-5A1  
Sec. 5, T. 1S, R. 1W  
Duchesne County, Utah  
( April 1981- November 1981)

Well No. DCSD #1-22B1  
Sec. 22, T. 2S, R. 1w  
Duchesne County  
( September 1981 - November 1981)

Well No. Cox 1-13A1E  
Sec. 13, T. 1S, R. 1E  
Uintah County, Utah  
(August 1981 - November 1981)

Well No. Cox 1-13A1E  
Sec. 13, T. 1S, R. 1E  
Uintah County, Utah  
( January 1981 - November 1981)

Well No. Ute #1-17A1E  
Sec. 17, T. 1S, R. 1E  
Uintah County, Utah  
( January 1981- November 1981)

Well No. Ute Tribal #1-25A1E  
Sec. 25, T. 1S, R. 1E  
Uintah County, Utah  
( February 1981- November 1981)

Well No. Fausett #1-26A1E  
Sec. 26, T. 1S, R. 1E  
Uintah County, Utah  
( February 1981- November 1981)



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 22, 1982

Bow Valley Petroleum, Inc.  
1700 Broadway, Suite 900  
Denver, Colorado 80290

Re: Well No. Wilcox #1-24  
Sec. 24, T. 16S, R. 15E  
Emery County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and also all drilling information on this well is needed to be forwarded to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee	
2. NAME OF OPERATOR Bow Valley Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Not Applicable	
3. ADDRESS OF OPERATOR 1700 Broadway, Suite 900 Denver, Colorado 80202		7. UNIT AGREEMENT NAME Trail Canyon	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  270' FEL & 724' FSL SE/SE		8. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. N/A		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5830 GR	
		16. COUNTY OR PARISH Emery	
		17. STATE Utah	

**RECEIVED**  
FEB 05 1982  
DIVISION OF  
OIL, GAS & MINING

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Temporary Abandonment</u> <input checked="" type="checkbox"/>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

10-24-81 Drilled 8 3/4" hole to T.D. of 12706'. Ran Dual Induction Laterlog, Formation Density-Compensated Neutron Log, Bottom hole Compensated Sonic log and Velocity Survey.

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Spot Plug No. 3, 85 sacks cement, 8,669-8,500'.

Bottom of 9 5/8" intermediate casing @ 8,597'.

NOTE: 9.1ppg mud in hole while cementing. Left hole full of 9.1ppg mud.

10-28-81 Nipple up and pressure test production tree. Rig down and move out rotary tools.

The well will be left temporarily abandoned until the late spring or early summer of 1982, at which time a completion will be attempted. Due to road conditions and winter refuge for wildlife, no completion will be attempted this winter. Operations will be effectively suspended as of November 6, 1981.

The well will be evaluated and a proposal for a completion in the Mancos will be made in the near future.

18. I hereby certify that the foregoing is true and correct

SIGNED

*David A. Gomendi*  
David A. Gomendi

TITLE Production Manager

DATE 2-1-82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 17, 1982

Bow Valley Petroleum Inc.  
1700 Broadway, Suite 900  
Denver, Colorado 80290

Re: Well No. Wilcox 1-24  
Sec. 24, T. 16S, R. 15E  
Emery County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist

\*\*\*\*Rule C-5 "Filing of Well Log: Within ninety (90) days after the suspension of operations on, abandonment of, or the completion of any well drilled for the production of oil and/or gas, and within ninety (90) days after the completion of any further operations on the well, if such operations involved drilling deeper or drilling or redrilling any formation, a well log shall be filed with the Commission on a form prescribed by the Commission, together with a copy of the electric and radioactivity logs, if run. The filing of a legible copy of the report filed with the U.S. Geological Survey will be considered compliance.



**Bow Valley Petroleum Inc.**

1700 Broadway, Suite 900, Denver, CO 80290

Telephone: (303) 861-4366

Telecopier: (303) 832-3825

Telex: 45-0033

July 6, 1982

Minerals Management Service  
2000 Administration  
1745 West 1700 South  
Salt Lake City, UT 84104

Attention: Mr. Ed Gynn

Re: Wilcox 1-24  
Sec. 24-T16S-R15E  
Emery Co., Utah

Gentlemen:

As per our conversation on August 6th, enclosed please find the **Sundry Notice to retract** our application for P&A approval and to perforate and complete in the Dakota and Mancos formations. Also enclosed are the approved letters from the BLM and the State Division of Oil, Gas and Mining.

A prompt, verbal approval would be most appreciated.

If any further information is required, please contact me immediately.

Thank you for your kind assistance.

Sincerely,

Mark Wagner  
Staff Engineer

MGW/dd

Enclosures

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

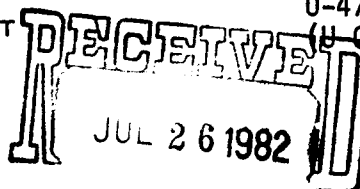


# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District  
Price River Resource Area  
P. O. Drawer AB  
Price, Utah 84501

2810  
U-47782  
(U-066)



July 23, 1982  
BOW VALLEY  
PETROLEUM INC.

Mr. David Gomendi  
Bow Valley Petroleum  
1700 Broadway, Suite 900  
Denver, Colorado 80290

Dear Mr. Gomendi:

The Little Park-Turtle Canyon Road that Chevron Oil Company holds Right-of-Way U-47782, has been accessible since approximately June 20, 1982. Prior to this date, late spring runoff made use of this road a bit hazardous.

You have our authorization to resume use of this road for your drilling operation. If you have any questions, please contact Mark Mackiewicz at 801-637-4584.

Sincerely yours,

Area Manager

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 7/29/82  
BY: [Signature]

# FEDERAL EXPRESS

AIRBILL NUMBER

567848864

 PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE  
 SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS.


YOUR FEDERAL EXPRESS ACCOUNT NUMBER

0802-2573-3

DATE

7-27-82

FROM (Your Name)

Mark Wagner

TO (Recipient's Name)

Ben First

 If Hold For Pick-Up or Saturday Delivery,  
 Recipient's Phone Number

COMPANY

Bow Valley Petroleum Inc.

DEPARTMENT/FLOOR NO.

COMPANY

DEPARTMENT/FLOOR NO.

STREET ADDRESS

1700 Broadway Suite 900

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)

4241 State Office Building

CITY

Denver, Colorado

STATE

CITY

STATE

Utah

 IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT  
 F.E.C. SHALL NOT BE LIABLE FOR SPECIAL, INCIDENT-  
 TAL OR CONSEQUENTIAL DAMAGES ARISING FROM

 ZIP ACCURATE ZIP CODE REQUIRED  
 FOR OVERNIGHT DELIVERY

AIRBILL NO. 567848864

8 0 2 9 0

YOUR REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)

 CARRIAGE HEREOF, F.E.C. DIS-  
 CLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH  
 RESPECT TO THIS SHIPMENT. THIS IS A NON-NEGOTIABLE  
 AIRBILL SUBJECT TO CONDITIONS OF CONTRACT SET FORTH  
 ON REVERSE OF SHIPPER'S COPY, UNLESS YOU DECLARE A  
 HIGHER VALUE, THE LIABILITY OF FEDERAL EXPRESS COR-  
 PORATION IS LIMITED TO \$100.00.

FEDERAL EXPRESS USE

FREIGHT CHARGES

DECLARED VALUE CHARGE

 PAYMENT ☒ Bill Shipper ☐ Bill Recipient's F.E.C. Acct. ☐ Bill 3rd Party F.E.C. Acct. ☐ Bill Credit Card

☐ Cash in Advance

Account Number/Credit Card Number

SERVICES

CHECK ONLY ONE BOX

DELIVERY AND SPECIAL HANDLING

CHECK SERVICES REQUIRED

PRIORITY ONE (P-1)

OVERNIGHT LETTER

 1 ☐ (OVERNIGHT PACKAGES)

 6 ☐ DROPPED OFF

COURIER PAK

 2 ☒ OVERNIGHT ENVELOPE  
 (Up to 2 LBS.)

 7 ☐ PICKED UP BY FEDERAL  
 (2 or more pieces)

 3 ☐ OVERNIGHT BOX  
 (Up to 5 LBS.)

 8 ☐ PICKED UP BY FEDERAL  
 (1 LETTER ONLY (higher  
 rate applies))

 4 ☐ OVERNIGHT TUBE  
 (Up to 5 LBS.)

 9 ☐

STANDARD AIR

 5 ☐ DELIVERY 2ND BUSINESS  
 DAY FOLLOWING PICK-UP

 1 ☐ HOLD FOR PICK-UP AT FOLLOWING  
 FEDERAL EXPRESS LOCATION SHOWN  
 IN SERVICE GUIDE.

 2 ☒ DELIVER

 3 ☐ SATURDAY SERVICE REQUIRED  
 (See Reverse (Extra charge applies for delivery))

 4 ☐ RESTRICTED ARTICLES SERVICE (P-1 and  
 Standard Air Packages only, extra charge)

 5 ☐ SSS (Signature Security Service  
 required, extra charge applies)

 6 ☐ DRY ICE \_\_\_\_\_ LBS.

 7 ☐ OTHER SPECIAL SERVICE

 8 ☐

 9 ☐

PIECES

WEIGHT

 DECLARED  
 VALUE

Q/S

EMP. NO.

DATE

☐ CASH RECEIVED

AGT/PRO

ADVANCE ORIGIN

☐ RETURN SHIPMENT

AGT/PRO

ADVANCE DESTINATION

☐ THIRD PARTY

☐ ONE. TO DEL. ☐ ONE. TO HOLD

TOTAL

TOTAL

TOTAL

STREET ADDRESS

OTHER

RECEIVED AT

SHIPPER'S DOOR

☐ REGULAR STOP

☒ ON-CALL STOP

BY F.E.C. LOC.

Federal Express Corporation Employee No.

CITY

STATE

ZIP

TOTAL CHARGES

RECEIVED BY: (Signature)

X

DATE/TIME For Federal Express Use

DATE/TIME RECEIVED

F.E.C. EMPLOYEE NUMBER

 PART  
 #2041736000  
 REVISION DATE  
 3/81 GBF  
 PRINTED U.S.A.

 "OVERNIGHT" IS DEFINED AS NEXT BUSINESS DAY  
 (MONDAY THROUGH FRIDAY). SEE SPECIAL  
 HANDLING FOR SATURDAY DELIVERY.

RECIPIENT COPY (AFFIXED TO PACKAGE, GIVEN TO RECIPIENT AT DELIVERY)

1. In tendering the shipment for carriage the shipper agrees to these TERMS AND CONDITIONS OF CONTRACT, which no agent or employee of the parties may alter and that this Federal Express Airbill is NON-NEGOTIABLE and has been prepared by him or on his behalf by Federal Express.

2. The shipper agrees that carriage is subject to terms and conditions of contract stated herein and those terms and conditions which are also stated in the most recent Federal Express Service Guide, which is available for inspection and incorporated into this contract by reference.

3. In tendering the shipment for carriage, **THE SHIPPER WARRANTS** that the shipment is packaged adequately to protect the enclosed goods and to insure safe transportation with ordinary care and handling, and that each package is appropriately labeled and is in good order (except as noted) for carriage as specified.

4. When the destination of the shipment is not within the Federal Express air terminal zone as listed in the most recent Federal Express Service Guide, Federal Express makes no commitment with respect to time of delivery of the shipment.

5. In the event of international carriage of any shipment hereunder, the rules relating to liability established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air signed at Warsaw, Poland on October 12, 1929 shall apply to the carriage insofar as the same is governed thereby.

6. Federal Transportation Excise Tax, Pursuant to Section 4271 of the Internal Revenue Code, a 5% tax on air transportation portion of the service and the accessorial services related thereto is included within the basic rate.

7. **DECLARED VALUE AND LIMITATION OF LIABILITY. THE LIABILITY OF FEDERAL EXPRESS IS LIMITED TO THE SUM OF \$100.00** unless a higher value is declared for carriage herein and a greater charge paid at the rate of 30¢ per \$100.00 value. In the case of P-1 service the maximum higher declared value is \$5000.00. In the case of Courier Pak, or Standard Air Service, the maximum higher declared value is \$2,000.00. In the case of Overnight Letter, the maximum higher declared value is \$500.00. Shipments containing items of extraordinary value, including, but not limited to, drawings, paintings, sculptures, porcelain, ceramics, furs, jewelry, fur trimmed clothing, watches, gems, stones, money, bullion, currency, coins, trading stamps, or other extraordinary valuable items, are limited to a maximum declared value of \$500.00. In the case of P-1 service when multiple shipments are placed on a single airbill but the shipper has not specified the declared value of each individual shipment, the declared value for each individual shipment will be determined by dividing the total declared value on the airbill by the number of shipments indicated on the airbill, subject to a \$100.00 minimum declared value per individual shipment. In the case of Standard Air Service, when the shipment consists of two or more pieces, the declared value for each piece will be determined by dividing the declared value on the airbill by the number of pieces in the shipment. The liability of Federal Express is limited to the declared value of the shipment or the amount of loss or damage actually sustained, whichever is lower.

Federal Express is not liable for loss, damage, delay, mis-delivery or non-delivery not caused by its own negligence; or any loss, damage, delay, mis-delivery or non-delivery caused by the act, default or omission of the shipper, consignee, or any other party who claims interest in the shipment, the nature of the shipment or any defect, characteristic of inherent vice thereof, violation by the shipper or consignee of any of the conditions of contract contained in this airbill or in the Federal Express

Service Guide, including, but not limited to, improper or insufficient packing, securing, marking or addressing, or failure to observe any of the rules relating to shipments not acceptable for transportation or shipments acceptable only under certain conditions; acts of God, perils of the air, public enemies, public authorities acting with actual or apparent authority, authority of law, acts or omissions of customs or quarantine officials, riots, strikes or other local disputes, civil commotions, hazards incident to a state of war, weather conditions or mechanical delay of the aircraft or acts or omissions of any person other than FEC, including compliance with delivery instructions from the shipper or consignee. FEC shall not be liable for the loss of articles loaded and sealed in packages by the shipper provided the seal is unbroken at the time of delivery and the package retains its basic integrity. **FEDERAL EXPRESS SHALL NOT BE LIABLE IN ANY EVENT FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS OR INCOME WHETHER OR NOT FEDERAL EXPRESS HAD KNOWLEDGE THAT SUCH DAMAGES MIGHT BE INCURRED.**

8. **CLAIMS. WRITTEN NOTICE OF LOSS DUE TO DAMAGE, SHORTAGE OR DELAY MUST BE REPORTED BY THE SHIPPER WITHIN 15 DAYS AFTER THE DELIVERY OF THE SHIPMENT. WRITTEN NOTICE OF LOSS DUE TO NON-DELIVERY MUST BE REPORTED BY THE SHIPPER WITHIN 90 DAYS AFTER ACCEPTANCE OF THE SHIPMENT OR CARRIAGE.** Written notification will be considered to have been made if the shipper calls and notifies the Customer Services Department at 800/238-5355 (in Tennessee 800/542-5171) and as soon as practicable thereafter files a written notification. Documentation of all claims other than a charge claims must be submitted in writing to FEC within ninety (90) days after receipt of written notification. No claim for damage will be entertained until all transportation charges have been paid. The amount of a claim may not be deducted from the transportation charges. Receipt of the shipment by the consignee without written notification of damage on the delivery receipt shall be prima facie evidence that the shipment was delivered in good condition, except that in the case of claims for concealed damage which is not discovered at the time of delivery, the shipper shall notify FEC in writing as promptly as possible after the discovery thereof and in any event not later than 15 days from the date of delivery. The shipper must make the original shipping cartons and packing available for inspection by FEC. Claims for overcharges and refunds must be made in writing to FEC within twelve (12) months of the billing date. All claims must be filed by the shipper.

9. All shipments are subject to inspection by FEC, including but not limited to, opening the shipment. However, FEC is not obligated to perform such inspection. 10. C.O.D. services are not available and a C.O.D. shipment sent in error will be delivered as a normal pre-paid or collect shipment.

11. Federal Express carries no cargo liability insurance but maintains a separate fund for the satisfaction of cargo claims which may arise out of the carriage of cargo pursuant to the conditions of contract contained herein and in the most recent Federal Express Service Guide.

12. Notwithstanding the shipper's instructions to the contrary, the shipper shall be primarily liable for all costs and expenses related to the shipment of the package, and for costs incurred in either returning the shipment to the shipper or warehousing the shipment pending disposition.



Telephone: (303) 861-4366  
Telecopier: (303) 832-3825  
Telex: 45-0033

July 27, 1982

Well Records  
State of Utah  
Department of Oil and Gas Conservation  
4241 State Office Building  
Salt Lake City, Utah

Attention: Ron Firth

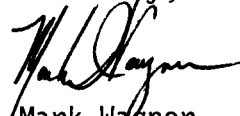
Re: Wilcox 1-24  
Section 24 T16S-R15E  
Emery County, Utah

Dear Mr. Firth:

Bow Valley plans to begin work on the above captioned well as soon as possible. Any help in expediting the procedure would be much appreciated.

The Plan for Development and Completion Form will follow as soon as they are determined. Initial, tentative plans are to attempt a completion that would classify the well as a commercial producer.

Sincerely,

  
Mark Wagner  
Staff Engineer

enclosure  
cc: L.E. Berggren  
Ed Guynn

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**  
DATE: 7/29/82  
BY: [Signature]

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Bow Valley Petroleum Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Not Applicable
3. ADDRESS OF OPERATOR 1700 Broadway, Suite 900, Denver, Colorado 80290		7. UNIT AGREEMENT NAME Trail Canyon
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  270'FEL & 724'FSL SE/SE		8. FARM OR LEASE NAME Wilcox
14. PERMIT NO. N/A		9. WELL NO. 1-24
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5830GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 24-T16S-R15E, SLB&M
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input checked="" type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The application to plug and abandon is retracted.

The well will be perforated, completed and tested to determine it's potential as per attached perforation detail and completion procedure.

RECEIVED  
AUG 6 9 1982

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Staff Engineer DATE 8/6/82

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Wilcox - 1-24

Emery County, Utah

PERFORATIONS

	7990	7927	7500
	7989	7926	7499
	7988	7925	
	7987	7924	7413
	7986		7412
	7985	7744	7408
25PF	7984	7743	7407
		7742	7406
	7976	7741	7405
	7975	7740	7404
	7974		
	7973	7523	7383
	7972	7520	7382
	7971	7518	7381
	7970	7517	7380
	7969	7516	7379
	7968	7514	7374
	7967	7513	7373
	7966	7512	7372
	7965	7511	7371
	7964	7510	7370
2 5PF	7963	7509	
		7508	
Dakota Good Gas	7226	6992	4378
Effect, Tight	7218	6991	4377
	7217	6990	4376
	7216	6989	4375
	7215	6988	4374
	7214	6987	4373
	7213	6986	4372
	7212		4371
	7211	6881	4370
	7210	6868	
	7209	6816	
	7208		
	7206	6468	
	7205	6469	
	7204	6470	
3 5PF	7202	6471	
	7084	MV 4475	
Mancos	7083	4474	
Gas Kick	7082	4473	
		4472	
		4471	
Mud Log	6997		
C1=4400 units	6996	4470	Possible Fractures
Possibly Fractured	6995		
	6994		
2 5PF	6993		

## COMPLETION PROCEDURE

WILCOX 1-24

1. MIRUCU & Nipple up BOP's. Run plug and test to 5000psi.
2. RIH w/2 7/8" L-80 tbg w/9 5/8" csg scraper & notched collar.
3. Clean out to 8500ft+ (PBDT).
4. Circulate and clean hole w/625 bbls  $\pm$  2%KCL.
5. Pressure test casing to 2500psi.
6. Run CBL w/CCL from 8500-4000ft  $\pm$  (cemented to surface on 2nd stage of primary cmt job+30bbls). Run log at 2500psi pressure.
7. RIH w/4inch casing gun. Perforate .5" holes 4shots/ft on the attached list, keep hole full.
8. RIH w/tbg and swab well in.
9. If necessary, Acidize to clean perforations (?).
10. Nipple up 2" critical flow prover and run 4pt normal sequence test and 24hr drawdown & buildup. (Buildup period may have to be longer to achieve desired results)
11. Shut well in for evaluation and stimulation design.

DIVISION OF OIL, GAS AND MINING

PLUG BACK  
~~PLUGGING~~ PROGRAM

303-861-4366

NAME OF COMPANY: Bow Valley Petroleum

Ed Wicker

WELL NAME: Wilcox 1-24

SECTION SE SE 24 TOWNSHIP 16S RANGE 15E COUNTY Emery

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 12,706'

CASING PROGRAM:

FORMATION TOPS:

20" @ 40'±	Cemented to surface	Dakota	7224'	Navajo
13 3/8" @ 300' ±	Cemented to surface	Cedar Mtn.	7519'	Kayenta
9 5/8" @ 8582'	Cemented to surface	Morrison	7544'	Shinarump 9,844'
8 3/4" openhole TD	Cemented to surface			Moenkopi 10,256'
		3 Times (Entrada		White Rim 10,582'
		(Carmel		Base Perm. 10,948'
				Camb. 10,948' - TD

PLUGS SET AS FOLLOWS:

1. 11,000' - 10,850'
2. 10,350' - 10,200'
3. 8,650' - 8,500'

Cores: 10,582' - 10,642'

Shows: None

Water: at 1800' (strong flow brackish,  
Emery or Ferrin)

DST's: None

The interval between plugs shall be filled with a 9.1#, 50 vis. fresh water gel based mud; erect regulation dryhole marker; clean up, grade and restore the location; and notify this Division when the location is prepared for inspection.

DATE

SIGNED

MTM

*M. J. Minder*

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT..." for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. FREE
2. NAME OF OPERATOR Bow Valley Petroleum Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Not Applicable
3. ADDRESS OF OPERATOR 1700 Broadway, Suite 900, Denver, Colorado 80202		7. UNIT AGREEMENT NAME Wilcox TRAIL CANYON
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 270' FEL & 724' FSL SE/SE		8. FARM OR LEASE NAME 1-24
14. PERMIT NO.		9. WELL NO. Wildcat
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 5830 GR		10. FIELD AND POOL, OR WILDCAT 24-T16S-R15E, SLB&M
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
		12. COUNTY OR PARISH Emery
		13. STATE UT

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

8-18-82 MIRU CRC rig. SDFN

8-19-82 NDWH. NUBOP. Pressure test csg to 3500psig for 15minutes. Held ok. circ hole w/9.1ppg mud. Wo Halliburton. Start spotting plugs

8-20-82 Spot plugs as follows:

6800'-6600'  
4600'-4400'  
1800'-1600'  
200'- 4'

75sx  
75sx  
75sx  
75sx

500sx

300 st

RDMOSU

RECEIVED  
AUG 30 1982

DIVISION OF  
OIL, GAS & MINING

8-21-82 C.O csg four (4) feet below ground level. Weld on steel cap, install dry hole marker. Empty pit, fill, and clean up location as per land owners recommendations.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 8/21/82

BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE Staff Engineer

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 1, 1982

Bow Valley Petroleum, Inc.  
1700 Broadway, Suite 900  
Denver, Colorado 80290

RE: Wilcox No. 1-24 Well  
Trail Canyon Unit  
Sec. 24, T. 16S, R. 15E  
Emery County, Utah

Gentlemen:

Receipt of State of Utah, Form OGC-16, Sundry Notices and Reports on Wells, Subsequent Report of Abandonment dated August 26, 1982, detailing the plugging operations on the above referenced well is acknowledged. This well appears to have been plugged and abandoned without receiving the approval of this Division.

We had previously received a Sundry Notices and Reports on Wells, Notice of Intention to Change Plans and Complete dated August 6, 1982. This Notice was promptly approved and returned to your office.

We would therefore, direct your attention to Rule D-1, General Rules and Regulations and Rules of Practice and Procedures, Notice of Intention to Plug and Abandon - Methods and Procedure. Section (A) requires that "Before operations are commenced to plug and abandon any well drilled for the discovery of oil or gas, including any well drilled below the fresh water level, the owner or operator thereof shall give notice to the Division of the intention to so plug and abandon such well and have the same approved."

In the future please obtain State approval prior to the commencement of any plugging and abandonment operations. We are enclosing an approved copy of the Subsequent Report of Abandonment and request that you advise this Division when final location restoration and rehabilitation work is completed and a final inspection can be made.

Very truly yours,

R. J. Firth  
Chief Petroleum Engineer

RJF/as  
Attachment

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck  
Robert R. Norman • Margaret R. Bird • Herm Olsen



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 6, 1983

Bow Valley Petroleum, Inc.  
1700 Broadway, Suite 900  
Denver, Colorado 80290

Re: Well No. Wilcox # 1-24  
Sec. 24, T. 16S, R. 15E.  
Emery County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf  
Enclosure



# Bow Valley Petroleum Inc.

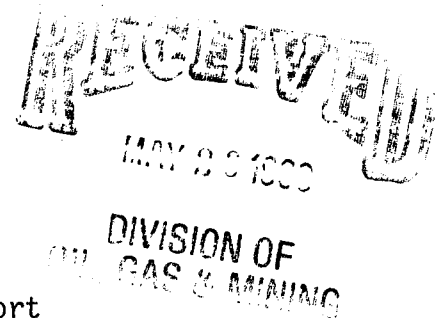
1700 Broadway, Suite 900, Denver, CO 80290

Telephone: (303) 861-4366  
Telecopier: (303) 832-3825  
Telex: 45-0033

May 18, 1983

Ms. Cari Furse  
State of Utah  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Re: Wilcox #1-24  
Completion Report



Dear Ms. Furse:

Enclosed please find a copy of Notice of Abandonment filed and approved by your department on August 31, 1982 which is required by your rules and regulations.

Please complete the acknowledgement below to avoid unnecessary mailing of any firm second notices from your agency. I have enclosed a self addressed envelope for the return.

Your prompt return of the below will be greatly appreciated.

Sincerely,

Denise Dennett  
Engineering Technician

/dd  
Enclosure

Received by the State of Utah Natural Resources & Energy the Notice of Abandonment on the Wilcox #1-24 on this date 5-23-83.

Signed

*DENISE, YOUR POINT IS WELL TAKEN, AND WE WILL OMIT THE WORD "FIRM" IN OUR FIRST NOTICE LETTER. PLEASE NOTICE, HOWEVER, THAT THE FORM YOU SUBMITTED IS NOT THE FORM REQUESTED. A "COMPLETION REPORT" IS STILL REQUIRED AND OVER DUE.*

*RESPECTFULLY,*

A Member of The Bow Valley Group of Companies

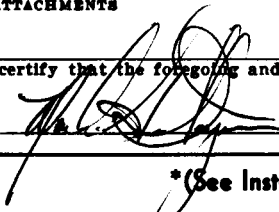
*John*  
(801) 533-5771

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

3

16

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____										5. LEASE DESIGNATION AND SERIAL NO. Fee	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____										6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Bow Valley Petroleum Inc.										7. UNIT AGREEMENT NAME Trail Canyon	
3. ADDRESS OF OPERATOR 1700 Broadway, #900; Denver, Colorado 80290										8. FARM OR LEASE NAME Wilcox	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 270' FEL & 724' FSL (SE SE) At top prod. interval reported below At total depth same										9. WELL NO. 1-24	
14. PERMIT NO. 43-015-30080      DATE ISSUED 5-29-81										10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUDDED 7-22-81      16. DATE T.D. REACHED 10-27-81      17. DATE COMPL. (Ready to prod.) 9-2-82 (P&A)      18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5830 GR										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 24-T16S-R15E SLB&M	
20. TOTAL DEPTH, MD & TVD 10,850      21. PLUG, BACK T.D., MD & TVD 10,850      22. IF MULTIPLE COMPL., HOW MANY* _____										12. COUNTY OR PARISH Emery	
23. INTERVALS, DRILLED BY _____      24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* P&A										13. STATE UT	
25. WAS DIRECTIONAL SURVEY MADE Yes										19. ELEV. CASINGHEAD	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL FDR CND										27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
13-3/8		54.5		600				760 sxs Howcolite		None	
								116 sxs thixotropic			
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		TUBING RECORD	
										SIZE	
										DEPTH SET (MD)	
										PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) D&A											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED					
None											
33.* PRODUCTION											
DATE FIRST PRODUCTION				PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)			
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BSL.		GAS—MCF.	
										WATER—BSL.	
										GAS-OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BSL.		GAS—MCF.		WATER—BSL.	
										OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY	
35. LIST OF ATTACHMENTS											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED 				TITLE Staff Engineer				DATE 6-1-83			

\* (See Instructions and Spaces for Additional Data on Reverse Side)

*Bow Valley*  
COMPANY



*Wilcox* 1-24  
LEASE

*Emery* COUNTY, *Utah* STATE

METER	2"	ORIFICE	1"	SPRING	1,000	COEF.	20.19	DATE	8/31/83
-------	----	---------	----	--------	-------	-------	-------	------	---------

TIME	CHOKE	T.P.	C.P.	STADIC	DIFF.	MCFD	OIL METER	BBL OIL	WATER METER	BBL WATER	REMARKS
											started testing @ 3:00 PM
3:PM	9/64	900	0				2343.5		840.1		
3:30 PM	9/64	860	0	4.8	2.2	223,000	—		—		Change 10/64
	10/64	700	0	4.8	2.0	143,824					
4:PM	9/64			4.8	3.0	290,000			840.3	2	Change 14/64 @ 4:30 PM
4:15	14/64	650	0	4.6	3.95	367,000			841.6		
4:30	14/64			4.8	4.2	407,000			842.3		Change to 18/64 @ 4:30 PM
4:45	18/64	400		4.6	6.6	613,000			844.7		
5:00	18/64	350		4.6	6.6	613,000			846.0		shut in @ 5:00 PM
											Shut well in at 5:00 PM
7:00 AM	10/64	2400									on well at 7:00 AM 9-1-83
7:30 AM	10/64	2150	0	4.8	4.3	417,000			846.0		
8:00 AM	10/64	1900	0	4.8	5.5	511,000	—	—	846.0		change to 12/64
8:30 AM	12/64	1600	0	4.7	5.5	522,000	—		846.0		
9:00	12/64	1250	0	4.7	4.9	465,000			846.0		Change to 14/64
9:30	14/64	800	0	4.7	4.9	465,000					started making water at 9:30 AM
10:00 AM	14/64	850		4.8	3.6	349,000			850.0	4	Change to 17/64
10:30	17/64	450		4.75	5.8	556,000			854.7	4.7	
11:00 AM	17/64	245		4.7	4.0	380,000			856.1	1.5	shut well in at 11:00

All Flow Rates Against 200 psi Back Pressure

# MULTIPOINT BACK-PRESSURE TEST REPORT

Type Test: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special	Test Date: 8-31-83	Lease No. or Serial No.: FEE
Company: Bow Valley Petroleum	Connection:	Alloee: N/A
Field: Wildcat	Reservoir: Dakota	Location: SE SE Sec 24
Completion Date: 8-31-83	Total Depth: 12,700	Plug Back TD: 8363
Elevation: 5830	Form or Lease Name: Wilcox	Well No.: 1-24
Csg. Size: 9 5/8	Wh. d: 40#	Set At: 8500
Perforations: From: 7202	To: 7227	Sec. 24
Tub. Size: 2 7/8	Wh. d: 6.5	Set At: 7163
Perforations: From: 7506	To: 7520	Top - Blk: 16S
Type Completion (Describe):	Pecker Set At: 7100	Rge - Sur: 15E
Producing Thru: Tbg	Reservoir Temp. F:	Mean Annual Temp. F:
Baro. Press. - P <sub>s</sub> :	State: Utah	
L: H: G <sub>est</sub> : 60	% CO <sub>2</sub> :	% N <sub>2</sub> :
% H <sub>2</sub> S:	Prover:	Meter Run:
Taps:		

NO.	FLOW DATA			TUBING DATA		CASING DATA		Duration of Flow, Hr.
	Prover Line Size	Choke Orifice Size	Press. psig	Diff. h <sub>w</sub>	Temp. F	Press. psig	Temp. F	
1.	2 inch	6/64	200		73	900	0	
2.	1 inch	10/64	200		73	860	0	1/2
3.	Orifice	14/64	200		74	550	0	1/2
4.	Plate	18/64	200		76	350	0	1/2

Square Root chart used.

NO.	Coefficient (24-Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor, F <sub>t</sub>	Gravity Factor, F <sub>g</sub>	Super Compress. Factor F <sub>pv</sub>	Rate of Flow Q, Mcfd
1.	20.19	10.56		.9877	1.291		272
2.	20.19	14.4		.9877	1.291		370
3.	20.19	20.16		.9868	1.291		518
4.	20.19	30.36		.9850	1.291		779

NO.	P <sub>r</sub>	Temp. R	Y	Z
1.	1.34	620	1.74	.9269
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio: 0 Mcf/bbl  
 API Gravity of Liquid Hydrocarbons: N/A deg.  
 Specific Gravity Separator Gas: 60  
 Specific Gravity Flowing Fluid: 1.12  
 Critical Pressure: 670.81 psia  
 Critical Temperature: 356.04 R

NO.	P <sub>i</sub>	P <sub>i</sub> <sup>2</sup>	P <sub>e</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>e</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	P <sub>e</sub>	P <sub>e</sub> <sup>2</sup>	P <sub>i</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup>
1.	860	739,600	70,400						
2.	700	490,000	220,000						
3.	550	302,500	507,500						
4.	350	122,500	687,500						

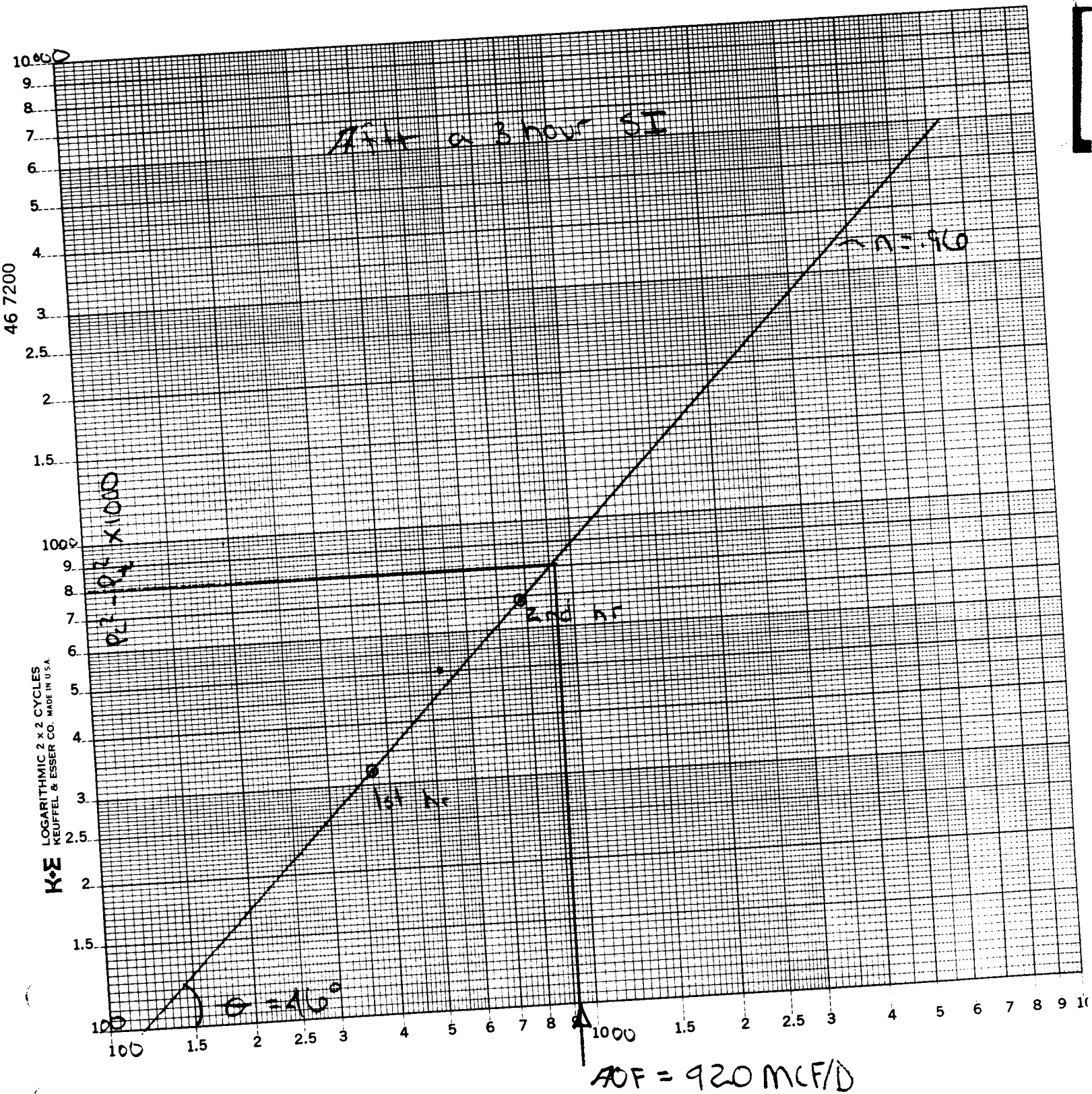
ADP: 920 Mcfd  
 " 96

Commission: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Others: \_\_\_\_\_

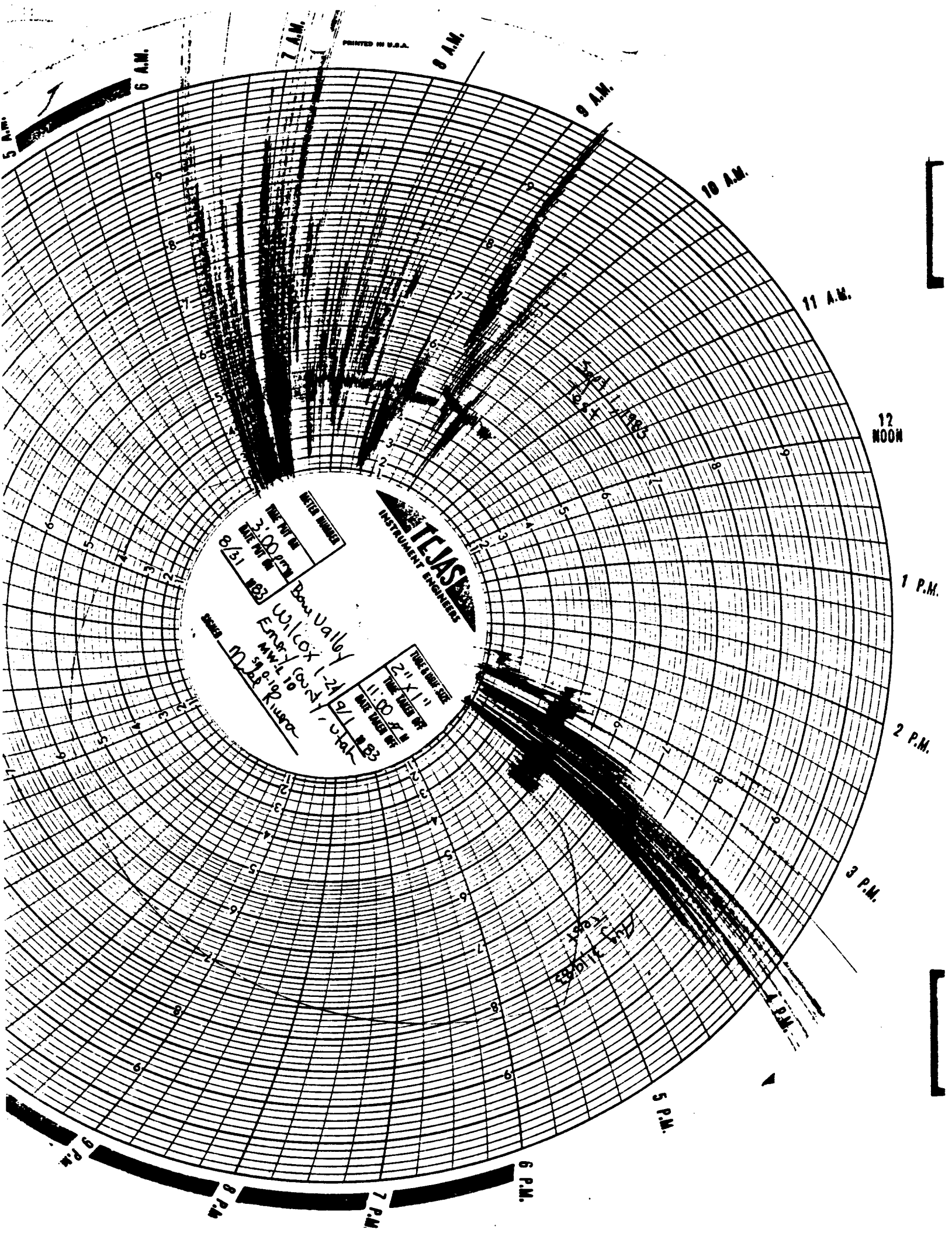
Form OPT 5

WILCOX 1-24  
 SE SE sec 24 T165 RISE  
 Emery County Utah

2 point Test  
 August-31, 1983



Q - MCF/D



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

(See other instructions  
on reverse side)

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input checked="" type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>
2. NAME OF OPERATOR Bow Valley Petroleum, Inc.					
3. ADDRESS OF OPERATOR 1700 Broadway Suite 900, Denver, Colorado 80290					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 270' FEL 724' FSL SE SE Section 24 At top prod. interval reported below At total depth					
14. PERMIT NO. N/A			DATE ISSUED		
5. LEASE DESIGNATION AND SERIAL NO. Fee		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A			
7. UNIT AGREEMENT NAME Trail Canyon					
8. FARM OR LEASE NAME Wilcox					
9. WELL NO. 1-24					
10. FIELD AND POOL, OR WILDCAT Wildcat					
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 24 T16S R15E					
12. COUNTY OR PARISH Emery			13. STATE Utah		
15. DATE SPUNDED 7/21/81	16. DATE T.D. REACHED 10/24/81	17. DATE COMPL. (Ready to prod.) 8/31/83	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5830 GR	19. ELEV. CASINGHEAD 5830	
20. TOTAL DEPTH, MD & TVD 12,706	21. PLUG, BACK T.D., MD & TVD 8363	22. IF MULTIPLE COMPL., HOW MANY* 2	23. INTERVALS DRILLED BY all	ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Buckhorn 7506-7520 MD Dakota 7202-7227					25. WAS DIRECTIONAL SURVEY MADE NO
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-GR FDC-CNL w/Caliper					27. WAS WELL CORRED NO
28. CASING RECORD (Report all strings set in well)					
CASING SIZE 9 5/8	WEIGHT, LB./FT. 40#/ft	DEPTH SET (MD) 8582	HOLE SIZE 12 1/4	CEMENTING RECORD 275sx class H and 1200sx 50-50 POZ circ to surface.	AMOUNT PULLED None
29. LINER RECORD				30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE 2 3/8"
					DEPTH SET (MD) 7163
					PACKER SET (MD) 7100
31. PERFORATION RECORD (Interval, size and number) 7506-7520 .38" 2SPF 7202-7227 .38" 2SPF				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
				7506-7520	755 MCFN2 14,700 gals KCL
					5500lbs 20-40 sd
				7202-7227	755 MCFN2 14,700 gals KCL
					5500lbs 20-40 sd
33.* PRODUCTION					
DATE FIRST PRODUCTION 8/31/83		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) SI <input checked="" type="checkbox"/>
DATE OF TEST 8/31/83	HOURS TESTED 2	CHOKE SIZE 18/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. 0	GAS—MCF. 29
				WATER—BBL. 6	GAS-OIL RATIO N/A
FLOW. TUBING PRESS. 350	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →	OIL—BBL. 0	GAS—MCF. 779	WATER—BBL. 72
					OIL GRAVITY-API (CORR.) N/A
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flared					TEST WITNESSED BY Mike Rivera & Smuin
35. LIST OF ATTACHMENTS Flow Test Data, Gas Chart					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED Mike Rivera		TITLE Staff Engineer		DATE 9/8/83	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## Reference Elevation Sea Level

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
Mancos	4360	4370	Gas not tested	Mancos	3460
Mancos	4487	4495	Gas not tested	Niobrara	6117
Dakota s. 1t	6474	6474	Gas not tested	Dakota S.1t	6450
Dakota SS	7200	7250	Gas 7202 - 7227*	Dakota SS	7200
Cedar Mtn	7367	7416	Coal & Gas not tested	Cedar Mtn	7367
Buckhorn	7502	7538	Gas 7506 - 7520*	Buckhorn	7506
Morrison	7610	7650	Gas not tested	Morrison	7538
				Entrada	8552
*Production is domingled Dakota and Buckhorn Test results are attached					

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Bow Valley Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 1700 Broadway, #900, Denver, CO 80290		7. UNIT AGREEMENT NAME Trail Canyon
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 270' FWL 724' FSL, SE SE		8. FARM OR LEASE NAME Wilcox
14. PERMIT NO. 43-015-30080		9. WELL NO. 1-24
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5830 DF		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24-T16S-R15E
		12. COUNTY OR PARISH Emery
		13. STATE UT

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) gas analysis ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please see attached

RECEIVED

OCT 3 1984

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Mike RuessTITLE District EngineerDATE 9-28-84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNTA RESEARCH & ANALYT AL SERVICES  
291 E. 200 N. (801) 722-2532  
ROOSEVELT, UTAH 84066

SAMPLE PRODUCED BY: BOW VALLEY

LOCATION: ROSEVELT UTAH  
SAMPLE #: GC 2572  
LINE PRESS:  
CYL PRESS:  
DATE SAMPLED :

ANALYSIS DATE: 9-11-84  
CYL #:  
WELL #: WILCOX  
SAMPLED BY:  
ANALYST: JH

BTU/CU FT (BASE PRESS DRY @ 14.73 ) = 1069.3  
BTU/CU FT (BASE PRESS WET @ 14.73 = 1050.89  
SPECIFIC GRAVITY/BASED ON ANALYSIS(VAPOR) = .6194  
SPECIFIC GRAVITY/BASED ON ANALYSIS(LIQUID) = .5516  
SPECIFIC GRAVITY/RANAREX FIELD OBSERVED =

PSEUDOCRITICAL TEMPERATURE = 364 RANKIN  
PSEUDOCRITICAL PRESSURE = 671 PSIA

ABSOLUTE VIS = 6.9362E-6 (LB MASS/FT SEC. @ 40 1 ATM)

COMPONENT	MOL %	LIQ VOL%	GAL/MCF
HYDROGEN SULFIDE	0		
HYDROGEN	0		
NITROGEN	1.69		
OXYGEN	0		
METHANE	89.67		
CARBON DIOXIDE	.7		
CARBON MONOXIDE	0		
ETHANE	6.16		
ETHYLENE	0		
PROPANE	1.03	52.96	.28
PROPYLENE	0	0	0
ISOBUTANE	.24	14.6	.08
N-BUTANE	.21	12.36	.07
BUTENE-1, I-BU	0	0	0
TRANS-BUTENE-2	0	0	0
CIS-BUTENE-2	.07	3.7	.02
ISOPENTANE	.1	6.83	.04
N-PENTANE	.05	3.38	.02
C5 UNSAT, C6 PLUS	.08	6.14	.03
TOTAL	100	99.97	.54

REMARKS :

THANK YOU FOR THE BUSINESS  
JAMES F. SMITH

BVPI

8/19/85

W/Cox 1-24

Aec 24, 163, 15E Emery Co.

9 5/8" 40\* @ 8586'  
PB to 8364'

Moreover RBP @ 7795' w/ press. bombs below  
7739'-7744' Morrison

R-3 packer pressured thg. collapsed thg. + csy?  
2 1/2 thg above per to 7579'

Attempted to fish, 8 1/2" OD shoe + 7 1/4" ID.

Unable to get below 7588'. Dred to 7589'.

conc. cont, shale, metal cuttings

① TBP @ 7575'

Perfs: Buchanan 7506'-20

Cedar Mt. 7369'-7374'

Kp 7201'-7227'

Manco 5519'-31'

P&A:

① cont. 7570'-7100' & Tag plug.

② 100' above + below Manco  
(possible retainer)

③ 100' plug every 2000'

④ 50' plug @ Surface.

Approval given by RSF on 8/19/85

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP!  
(Other instruction,  
verse side)

TE  
FE

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

3  
16

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Bow Valley Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Drawer 130, Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME Trail
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 270' FEL, 724' FSL, SE SE, Section 24		8. FARM OR LEASE NAME Wilcox
14. PERMIT NO. 43-015-30080		9. WELL NO. 1-24
15. ELEVATIONS (Show whether SP, ST, GR, etc.) 5830' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T16S, R15E
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANE	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Attached find an explanation of additional work currently performed on the well including a well bore diagram showing existing open perfs.

After testing all possible producing zones in the well without positive results Bow Valley is presently planning to P & A the well. A Sundry will follow detailing the proposed P & A procedure.

The well is currently shut in for pressure build-up.

RECEIVED

SEP 03 1985

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Nichelle A. Necham

TITLE Eng. Technician

DATE 8/20/85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side



RECEIVED

SEP 03 1985

WILCOX 1-24  
OUTLINE OF WORK PERFORMEDDIVISION OF OIL  
GAS & MINING

1. Perf  
Morrison Form. 5" perf guns with 4 premium JSPF phased 90° 7739 - 7744  
(6' 24 shots)
2. Perf  
Cedar Mtn. Form. 5" perf guns with 4 premium JSPF phased 90° 7369 - 7374  
(6' 24 shots)
3. Perf  
Mancos Form. 5" perf guns with 4 premium JSPF phased 90° 5540 - 5531  
5530 - 5520  
(31' 124 shots)
4. Frac Morrison. w/2352 gal. pre-pad & 500 gal acid - tbg. press inc to 5300
5. Acidize Morrison. w/3000 gal 15% HCL. FLush with 3160 gal 2% KCL water
6. (Set cmt retainer at 7384' - spot 150 sx class "H" cement)  
(milled through cement)
7. Perf  
Buckhorn Formation. w/4" casing guns, 4 JSPF phased 90° 7506' - 7520'
8. Perf  
Cedar Mountain Formation. w/4" casing guns, 4 JSPF phased 90° 7369' - 7374'
9. Frac Buckhorn. Through 3½" tubing with 500 gal. 15% HCL  
4,000 gal pre-pad of 2% KCL H<sub>2</sub>O w/25% Methonol  
20,000 gal pad of 70% quality foam  
6,000 gal 70% quality foam w/ 1 PPG 20-40 mesh sand  
12,000 gal 70% quality foam w/ 2 PPG 20-40 mesh sand  
2,250 gal 70% quality foam w/ 3 PPG 20-40 mesh sand
10. Frac Cedar Mountain Form. w/ 1000 gal. 15% HCL w/25 1.1 ball sealers  
1450 gal pre-pad w/14 1.1 ball sealers
11. (Spotted cement through Cedar Mountain perfs up thru buckhorn perfs)
12. (Spotted cement through Cedar Mountain perfs up to Dakota perfs)
13. Perf Cedar Mountain Form. w/4" casing guns, 4 JSPF, phased 90° 7369' - 7374'
14. Perf Dakota Form. w/4" casing guns, 4 JSPF, phased 90° 7202' - 7227'
15. Frac Dakota Form. w/ 2000 gal 15% HCL w/additives & 75 ball sealers (pumped at 4980 PSI)  
(w/ no ball action)  
4000 gal pre-pad of 2% KCL H<sub>2</sub>O w/ additives  
30000 gal pad of 70% quality nitrogen foam w/ additives & sand  
6000 gal foam w/ 1PPG 20-40 sand  
11000 gal foam w/ 2PPG 20-40 sand  
12000 gal foam w/ 3PPG 20-40 sand  
9000 gal foam w/ 4PPG 20-40 sand  
5000 gal foam w/ 5PPG 20-40 sand  
Flush w/7300 gal 70% quality foam w/ 10PPG w6-11 & 1% HC-2

WILCOX 1-24  
OUTLINE OF WORK PERFORMED - continued

Initial pressure test data w/ all perfs open and after frac:  
( Mancos, Dakota, Cedar Mountain, Buckhorn)

8-09-85 8:00 a.m. Test w/ 1" orifice, 12/64 choke

Beginning mcf 125.1

Ending mcf 97.3

Average mcf during this 11 hour test 95.4

8-09-85 10:30 p.m. Four hours later w/  $\frac{1}{2}$ " orifice, 10/64 choke

Beginning mcf 42.9

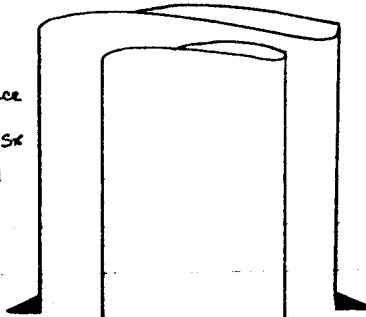
Ending mcf 72.1

Average mcf during this 10 hour test 60.4

# Wilcox Diagram 8-16-85

## Surface Hole:

17 1/4" hole drilled to 600'  
Set 13 3/8" 54.5# K-55 csg surface to 600'.  
Cemented w/ 760 sx lite + 200 sx class "G" (cement to surface)



\* 7-14-85 Perf Mancos Formation  
5519' - 5510'  
5530' - 5520'  
5540' - 5531' (31 ft, 124 shots)

Old Dakota Perfs 2 JSPP, 4" decentralized guns  
7202' - 7227' (6 feet, 52 shots)

\* 7-14-85 Perf Cedar Mtn Formation  
7369' - 7374' (6 feet, 24 shots)

Old Buckhorn Perfs 7506' - 7520'  
2 JSPP, 4" decentralized guns (15 ft, 30 shots)

\* 7-14-85 Perfed Morrison Formation  
5" guns, 4 premium JSPP, 7739' - 7744'  
phased 90° (6 feet, 24 shots)

Set Baker Model C retrievable Bridge Plug @ 7795.55'

## Intermediate Hole:

12 1/2" hole drilled to 8586'  
Set 9 5/8" 40# L-80 csg surface to 2015'  
40# 5-95 csg 2015' to 8582'  
Float collar @ 8541'  
D.V. Tool @ 4794'  
Cement 1st Stage: Lead - 475 sx "H"  
Tail - 975 sx "H"  
(same cement to surface)  
Cement 2nd Stage: 1200 sx 50-50 Pozmix  
(cement to surface)

## Production Hole:

8 3/4" drilled to 12,706'  
No csg set.

\* Cement Plugs @ 8,669' - 8,500'  
10,350' - 10,200'  
11,000' - 10,850'

Last tagged this plug @ 8364' (POTD)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP  
(Other instructions  
verse side)

Form approved:  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR  
Bow Valley Petroleum, Inc

3. ADDRESS OF OPERATOR  
P O Drawer 130, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
270' FEL, 724' FSL, SE SE, Section 24

14. PERMIT NO.  
43-015-30080

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5830' GR

5. LEASE DESIGNATION AND SERIAL NO.  
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT AGREEMENT NAME  
Trail Canyon

8. FARM OR LEASE NAME  
Wilcox

9. WELL NO.  
1-24

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., N., OR B.L. AND  
SURVEY OR AREA  
Sec. 24, T16S, R15E

12. COUNTY OR PARISH  
Emery

13. STATE  
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF  
FRACTURE TREAT  
SHOOT OR ACIDIZE  
REPAIR WELL  
(Other)

PULL OR ALTER CASING  
MULTIPLE COMPLETE  
ABANDON\*  
CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF  
FRACTURE TREATMENT  
SHOOTING OR ACIDIZING  
(Other)

REPAIRING WELL  
ALTERING CASING  
ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

As verbally approved with Ron Firth 8/19/85, Bow Valley plugged and abandoned well on 9/17/85 as follows:

A wellbore diagram is attached.  
There are no recompletion possibilities.  
No additional surface disturbance is required.

1. Set cement retainer @ 7150' & tested casing to 500f.
2. Circulated hole w/ 2% KCL water.
3. Spotted 60 sx 50/50 poz w/ 2% gel, 1.26 yield, 14.1# 4 bbls cement below retainer, 9.5 bbls above retainer 7025' - 7203' (178' plug).
4. Test csg to 1000f.
5. Spotted 80 sx 50/50 poz w/ 2% gel, 1.26 yield, 14.1# from 5600' - 5400' (200' plug).
6. Test csg to 1500 #
7. Spotted 40 sx 50/50 poz w/ 2% CaCl and 2% gel, 1.26 yield, 14.1# from 3400' - 3300' (100' plug).
8. Spotted 40 sx 50/50 poz w/ 2% CaCl and 2% gel, 1.26 yield, 14.1# from 1300 - 1200' (100' plug).
9. Spotted 40 sx 50/50 poz w/ 2% CaCl and 2% gel, 1.26 yield, 14.1# from 114' - 14' of surface (100 plug).
10. Press tested plugs to 3500f.
11. Cut off wellhead 4' below ground level, install dry hole marker.
12. Clean and reclaim location.

18. I hereby certify that the foregoing is true and correct

SIGNED Michelle Mecham

TITLE Eng. Technician

DATE 9/24/85

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 10/4/85  
BY: John R. Boyer

\*See Instructions on Reverse Side

# Wilcox 1-24

Section 24,  
T16S, R18E, S10M  
Fee Lease  
Emery County, Utah

\* Wellbore diagram prior to  
P&A 9-17-85.

17 1/2" hole drilled to 600'. Set 13 3/8"  
54.5 # csq from surface to 600'.  
Cemented w/ 760 sx lite & 200 sx  
"G" - cement to surface.

7-13-85 Perf Mancos Formation  
5510' - 5519'  
5520' - 5530'  
5531' - 5540'

30' Perfs  
1662' between

8-4-85 Perf Dakota Formation  
7202' - 7227'

25' Perfs  
142' between

7-25-85

7-13-85

8-4-85 Perf Cedar Mountain Formation  
7369' - 7374'

5' Perfs  
132' between

7-25-85 Perf Buckhorn Formation  
7506' - 7520'

14' Perfs

Fish - Top @ 7570'  
2 Lyles Oil Tools RP6 instruments and  
2 15 day clocks 7-29-85

7575' Halliburton CIBP 7-19-85

(Possible casing collapsed)

Unable to get below 7588' w/ 8 1/2" OD  
x 7 1/4" ID shoe and w.p. Milled 1' to 7589'  
Circulate out metal shavings, formation  
sand, and trace of cement. 7-16-85

Fish - Top @ 7579'  
3 1/2" OD 12.95 # PH-6 hyd tbg-2 Jts, Baker  
9 5/8" R-3 dbl grip retrievable csq pkr, Baker  
2.31" F nipple and ret head f/ 9 5/8" RBP  
7-13-85

7-14-85 Perf Morrison Formation  
7739' - 7744'

5' perf - 7651'

Released R-3 pkr. TIH and rev out  
@ 7840' 7-11-85.

## Cement Plugs

PBTD 8364' to 8669' (305' plug)  
83' below 9 5/8" csq 10-27-81

Fish - Top @ 7795.55'  
Baker 9 5/8" 40# Model "C" RBP 7-13-85  
w/ 2-15 day bombs and clocks below RBP

Cement plug from 10,200' to 10350'  
(150' plug) 10-27-81

Cement plug from 10,850' to 11,000'  
(150' plug) 10-26-81

12 1/2" hole drilled to 8586'. Set 9 5/8" 40#  
L-80 csq from surface to 2015', 9 5/8"  
40# S-95 csq from 2015' to 8582'.  
Float collar @ 8541'  
DV collar @ 4794'  
Cemented w/ 1st Stage: Lead 475 sx "H"  
Tail 975 sx "H" (some cement to surface)  
2nd Stage: 1200 sx 50/50 Pozmix.  
Cement to surface

8" hole drilled to TD @ 12706'